

Read the label before opening the container.

For full particulars, see enclosed leaflet.

## KEEP OUT OF REACH OF CHILDREN AND ANIMALS

# MILNATE

South Africa Reg. No: L11494 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 12

MILNATE is a systemic emulsifiable concentrate fungicide for the control of powdery mildew on the crops listed.

### ACTIVE INGREDIENT:

Spiroxamine (spiroketalamine) .....500g/ℓ

**Product Information: 072 678 8226**  
**In case of poisoning: 082 446 8946**

### HAZARD STATEMENTS

- Harmful if swallowed
- Causes skin irritation
- May cause damage to eyes through prolonged or repeated exposure
- Very toxic to aquatic life with long lasting effects
- Suspected of damaging fertility or unborn child
- Causes serious eye damage



### PRECAUTIONARY STATEMENTS

- IF ON SKIN: Wash with plenty of water and non abrasive soap.
- Avoid release into the environment

**enviro**  
bio-chem

Registration holder: Enviro Bio-Chem (Pty) Ltd

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Expiry Date:

Batch No:

Date of Manufacture:

**UN No. 3082**

### **WARNINGS:**

- Wine Grapes: Allow 21 Days between last application and harvest.
- Table grapes: do not apply after commencement of the flowering stage.
- Peas: allow 7 days between last application and harvest.

### **NOTE:**

The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements.

- Harmful if swallowed
  - Causes skin irritation
  - May cause damage to eyes through prolonged or repeated exposure
  - Very toxic to aquatic life with long lasting effects
  - Suspected of damaging fertility or unborn child
  - Causes serious eye damage
- 
- Poisonous when swallowed. Toxic to fish and wild life.
  - MILNATE is irritating to the eyes, skin and mucous membranes.
  - Store in a cool place away from food and feed.
  - Keep out of reach of children, unformed persons and animals.
  - Keep away from food, drink and animal feed.
  - In case of poisoning call a doctor and show the label to him/her.
  - Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
  - Aerial application: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water. Please refer to the SANS Code of Practice for the aerial application of agricultural chemicals.

**Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease to the remedy concerned as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.**

### **PRECAUTIONS:**

- Wash hands and face thoroughly after handling
- Do not eat, drink or smoke when using this product.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- IF ON SKIN: Wash with plenty of water and non abrasive soap.
- If skin irritation occurs: get medical advice
- Take off contaminated clothing and wash before use
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTRE
- Do not handle until all safety precautions have been read and understood.

- If exposed or concerned: Get medical attention
- Store locked up
- Do not breath mist, vapours and spray
- Wash hands and face thoroughly after handling
- Do not eat and drink when using this product
- Dispose of content/container to suitable landfill in accordance with local regulations.
- Avoid release into the environment
- Collect spillage
- Dispose of content/container to suitable landfill in accordance with local regulations.

### **SYMPTOMS OF HUMAN POISONING:**

No known symptoms.

### **FIRST AID TREATMENT:**

**GENERAL ADVICE:** Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways).

**INHALATION:** Call a physician or poison control centre immediately. Move to fresh air. Keep patient warm and at rest.

**SKIN CONTACT:** Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water.

**EYE CONTACT:** Remove contact lenses, after the first 5 minutes, then continue rinsing eye.

**INGESTION:** DO NOT induce vomiting. Call a physician or poison control centre immediately. Rinse mouth.

### **Relevant substances:**

Spiroxamine 50%

Calcium dodecylbenzene sulfonate 6%

### **NOTE TO PHYSICIAN:**

**Treatment:** Elementary aid, decontamination and symptomatic treatment. Gastric lavage, then charcoal (carbo medicalis) and sodium sulfate.

### **RESISTANCE WARNING:**

For resistance management, MILNATE is a group code 5 fungicide. Any fungus population may contain individuals naturally resistant to MILNATE and other group code 5 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by MILNATE or any other group code 5 fungicides.

### **To delay fungicide resistance:**

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate with registered products from different fungicide group codes such as triazoles (DMI fungicides), strobilurines, etc. Do not apply more than THREE sprays of MILNATE per season.
- For tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels,
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

For specific information on resistance management contact the registration holder of this product.

**DIRECTIONS FOR USE:** Use only as directed.

**Poisons Helpline: 0861 555 777**

**Compatibility:**

The compatibility of MILNATE with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

Allow 7 days between the application of MILNATE and other products not tested for compatibility and do not apply MILNATE in combination with wetter/stickers or as a tank mixture with trace or macro element sprays in grapes

**Mixing Instructions:**

Pour the required volume of MILNATE into the water in the spray tank whilst agitating.

Do not allow the MILNATE spray mixture to stand any length of time before using. Do not use brackish water.

CROP/DISEASE	DOSAGE	REMARKS
<b>GRAPES</b> Powdery mildew <i>(Oidium tuckeri)</i>	<u>High volume application:</u> 10 – 14 day programme: 60 ml/100l water (300 – 600ml/ha)	Commence applications when shoots are $\pm$ 2-5 cm long and repeat at intervals as indicated. <b>Do not apply after commencement of the flowering stage and do not apply more than three MILNATE sprays per season.</b>  Apply other registered fungicides to control powdery mildew after flowering.
<b>PEAS</b> Powdery mildew <i>(Erysiphe pisi)</i>	<u>Ground application:</u> 100ml/100l water <u>Aerial application:</u> 500ml/ha in 40l water/ha	Apply at the first signs of the disease and repeat at 10 – 14 day intervals depending on infection. To ensure thorough coverage of the leaves and to avoid excessive run-off add a non-ionic wetting agent at registered rates. Apply 500l spray mixture / ha in the case of ground application. Do not apply more than 3 times per season.
<b>MANGOES</b> Powdery mildew <i>(Oidium mangiferae)</i>	60ml/100l water	Commence applications at the first signs of infection and repeat at intervals of 10 – 14 days up to 100% petal drop. Usually the first application takes place when 50% of the flowers are open. This is then followed by further 2 – 3 sprays depending on weather conditions and uniformity of the flowering period. Apply as a cover spray and ensure thorough coverage of the flower panicles.

**NOTE:**

1. High volume application on grapes:

Spray to point of run off ensuring even coverage. Depending on leaf area present, 300 – 1 500 l spray mixture/ha should be applied as follows:

GROWTH STAGE	WATER VOLUME ℓ/HA
	Table Grapes
Shoots 2 – 5 cm long up to and including just before blossom	500-1 000
Flowering up to pea-size of the berries	-
Berries at pea-size up to harvest	-

## 2. Low volume application on grapes:

MILNATE can be applied as a low volume application. The volume of product needed per hectare should be calculated from the corresponding high volume application. The concentration of the spray mix should not exceed four times (4X). Apply in at least 250 ml/ha. Ensure even coverage.